

Panasonic NV 8020 Time Lapse Video Tape Recorder

Time Lapse Video Tape Recorder



From Panasonic Product Literature, undated

"Panasonic proudly announces a technological breakthrough: a unique 1/2" Time Lapse VTR designed to fit the needs of security and surveillance systems in banks, merchandise facilities, factories, laboratories, schools, wherever a continuous visual record of events for extended time periods is required. Employing Panasonic's advanced automatic time-lapse control circuit, the NV-8020 can record up to 48 hours on one 7" reel of video tape and play back in as little as 40 minutes. Recorders set for 24, 12 and 6 hour periods are also available, or the NV 8020 can be used as a regular VTR (similar to NV 8100) at 40 minute record and playback. Exclusive Panasonic Hot Pressed Ferrite heads record with much greater precision and last far longer than ordinary tape heads. NV 8020's horizontal resolution capability of more than 260 lines provides excellent picture clarity and detail, while its complete stop-action feature yields perfect stop-action image. Audio dubbing gives you total sound control. For playback through a conventional television receiver, an RF Adaptor is available. Tapes made on model NV-8020 are interchangeable with Panasonic NV 8100 series 1/2" video tape recorders. The NV 8020 is compatible with a full range of Panasonic CCTV cameras, monitors and accessories to fulfill the requirements of any recording system. No other 1/2" VTR can offer such versatility and high performance combined with the important time-lapse characteristic."

Power: AC 117 V, 60 Hz

Power Consumption: Approx. 115 Watts

Video Recording System: 2 Rotary Heads, USA Standards (525 lines, 60 fields)

Video Modulation System: Both sideband FM

Video Modulation System: 12 i.p.s. / 1 7/32 i.p.s. / 5/8 i.p.s. / 5/16 i.p.s. / 5/32 i.p.s.

Tape Speed 7 inches

Reel Size ⅝"

Heads:

Video: 2 Rotary Heads

Audio/Control: 1 Stationary

Erase Head: 1 Full Track

Erase Head: 1 for Audio Dubbing

Recording Time: 40 minutes / 6 hours / 12 hours / 24 hours / 48 hours

Horizontal Resolution (on Monoscope Test Pattern): More than 260 lines

Active Elements: Fully Transistorized

Frequency Response:

Video: Greater than 2 MHz

Audio: 80 ÷ 10,000 Hz

Signal to Noise Ratio:

Video: Better than 40db

Audio: Better than 40db

Input Level:

Video: Min. 0.5 Vp-p

Audio: MIC 0.001 V (-60db)

AUX 0.1 V (-20db)

Input Impedance:

Video: 75 ohm unbalanced

Audio: MIC 20K ohm unbalanced

AUX 1M ohm unbalanced

Output Level:

Video: 1.0 Vp-p (0 db)

Audio: 0.1 V (-20 db)

Output Impedance:

Video: 75 ohm unbalanced

Audio: 600 ohm unbalanced

Dimensions: 17 ⅞" (W) x 10 5/8" (H) x 17" (D)

Weight: 59 pounds

Standard Accessories:

7" empty reel (1 pc)

AC Cord (7ft) (1 pc)

VTR/TV connection cable (5 ft) (1 pc)

Video Splicing Tape (1 pc).